

Claims

What is claimed is:

1       1. A method of managing the locking of resources of a  
2 data repository, said method comprising:

Sub  
P2  
3                   determining a relationship between a plurality of  
4 resources of said data repository, wherein said  
5 relationship is at least one of a containment-based  
6 relationship and a reference-based relationship; and

7                   locking at least one resource of said plurality of  
8 resources based on said relationship.

1       2. The method of claim 1, wherein said locking of said  
2 at least one resource is performed without locking at least  
3 one other resource of said plurality of resources.

1       3. The method of claim 1, wherein said locking of said  
2 at least one resource is further based on an operation to be  
3 performed.

1           4. A system of managing the locking of resources of a  
2 data repository, said system comprising:

3                 means for determining a relationship between a  
4 plurality of resources of said data repository, wherein  
5 said relationship is at least one of a containment-  
6 based relationship and a reference-based relationship;  
7 and

8                 means for locking at least one resource of said  
9 plurality of resources based on said relationship.

1           5. The system of claim 4, wherein said means for  
2 locking comprises means for locking said at least one  
3 resource without locking at least one other resource of said  
4 plurality of resources.

1           6. The system of claim 4, wherein said means for  
2 locking further comprises means for locking said at least  
3 one resource based on an operation to be performed.

1           7. At least one program storage device readable by a  
2 machine, tangibly embodying at least one program of  
3 instructions executable by the machine to perform a method  
4 of managing the locking of resources of a data repository,  
5 said method comprising:

Sub  
P2  
6  
7  
8  
9           determining a relationship between a plurality of  
resources of said data repository, wherein said  
relationship is at least one of a containment-based  
relationship and a reference-based relationship; and

10          10       locking at least one resource of said plurality of  
11        resources based on said relationship.

1           8. The at least one program storage device of claim 7,  
2 wherein said locking of said at least one resource is  
3 performed without locking at least one other resource of  
4 said plurality of resources.

1           9. The at least one program storage device of claim 7,  
2 wherein said locking of said at least one resource is  
3 further based on an operation to be performed.

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